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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|---------------------|------------------|
| 10/634,629 | 08/05/2003 | Michael A. Siracki | 05516.142002 | 7203 |
| 7590 | 01/21/2005 | | EXAMINER | |
| ROSENTHAL & OSHA L.L.P. Suite 2800 1221 McKinney Street Houston, TX 77010 | | | THOMPSON, KENNETH L | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 3672 | |

DATE MAILED: 01/21/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | |
|------------------------|-----------------|---------------------|
| Advisory Action | Application No. | Applicant(s) |
| | 10/634,629 | SIRACKI, MICHAEL A. |
| | Examiner | Art Unit |
| | Kenn Thompson | 3672 |

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 27 December 2004 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

PERIOD FOR REPLY [check either a) or b)]

a) The period for reply expires ____ months from the mailing date of the final rejection.
 b) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.
 ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

1. A Notice of Appeal was filed on _____. Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.

2. The proposed amendment(s) will not be entered because:

- they raise new issues that would require further consideration and/or search (see NOTE below);
- they raise the issue of new matter (see Note below);
- they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
- they present additional claims without canceling a corresponding number of finally rejected claims.

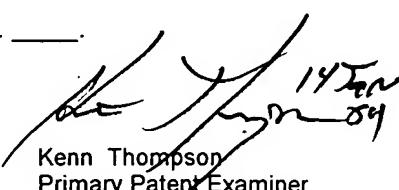
NOTE: ____.

3. Applicant's reply has overcome the following rejection(s): _____.
 4. Newly proposed or amended claim(s) ____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
 5. The a) affidavit, b) exhibit, or c) request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet.

6. The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.

7. For purposes of Appeal, the proposed amendment(s) a) will not be entered or b) will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: _____.
 Claim(s) objected to: _____.
 Claim(s) rejected: 1-15.
 Claim(s) withdrawn from consideration: _____.
 8. The drawing correction filed on ____ is a) approved or b) disapproved by the Examiner.
 9. Note the attached Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____.
 10. Other: _____.

 Kenn Thompson
 Primary Patent Examiner
 Art Unit: 3672

Continuation of 5. does NOT place the application in condition for allowance because: Applicant's arguments are not persuasive. Applicant argues that neither Overstreet nor Tibbitts impliedly or expressly provide a motivation to combine their respective teachings to achieve the claimed invention. As noted above, Overstreet is directed solely to the use of milled teeth. The fact that Tibbitts discloses both insert-type cutting elements and milled teeth does not make the two interchangeable, to those having ordinary skill in the art. This point is supported by the attached declaration of James Minikus, which notes that, when designing and/or manufacturing drill bits, those of ordinary skill typically select from either insert-type cutting elements or a milled tooth bit, depending on the application.

The supporting reference is relied upon for teaching use of steel cutting elements. The supporting reference outlines advantages and disadvantages associated with its use as well as an improvement made to the steel cutting element, commensurate with the claimed invention.

The primary reference, while not specific to cutting element material selection, discloses in column 9, lines 49-60 the method of depositing the hardlayer on an insert prior to mounting followed by brazing the same.

The claims rejected using the teaching of a tertiary reference is in view of the primary and secondary references as applied to the independent claim.